

Motorized Housekeeping Cart

Thank you for purchasing The Royal Motorized housekeeping cart!

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SECTION 1 BEFORE INITIAL USE INSTRUCTIONS - UNPACKING & CHARGING

CAUTION!

BEFORE REMOVING THIS CART FROM THE PALLET, DEACTIVATE THE BRAKE BY ROTATING THE RED BRAKE LEVER KNOB TO THE DOWN POSITION. (See Figure 1) THIS KNOB IS LOCATED ON THE TRANSAXLE, ON THE UNDERSIDE OF THE CART. WITH THE BRAKE DISENGAGED THE CART CAN BE MANUALLY PUSHED TO A LOCATION IN ORDER TO PLUG IN THE UNIT TO CHARGE FULLY BEFORE THE FIRST INITIAL MOTORIZED USE.

- **IMPORTANT:** While being manually pushed the cart will not allow the user to push the cart beyond a limited speed.

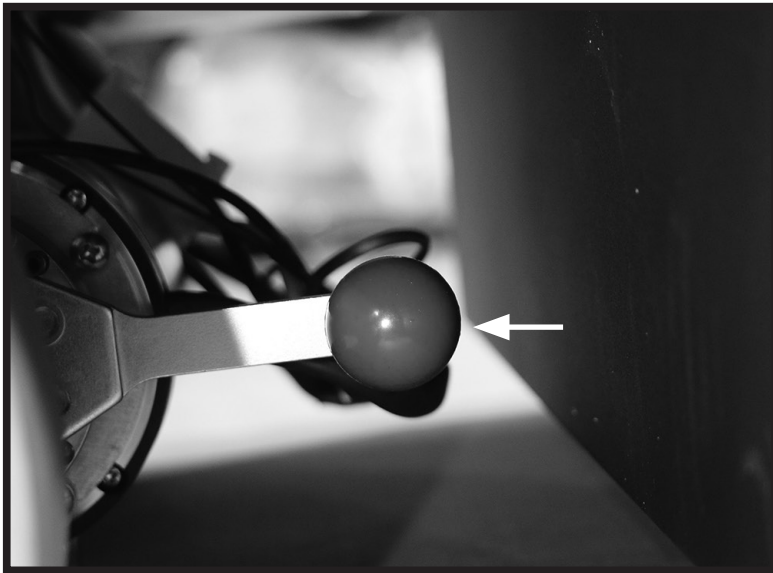


Figure 1 - Brake Lever Knob

- UNIT MUST BE FULLY CHARGED BEFORE INITIAL USE.
 - **IMPORTANT:** The batteries are shipped with approx. 30% charge; for peak performance the cart must be fully charged before use.
- KEYS ARE LOCATED INSIDE THE HARDWARE BOX

SECTION 2 SYSTEM / TECHNICAL INFORMATION

BATTERY - Technical & Safety

The Lithium-Ion Phosphate Battery incorporates the latest safety and extended operating life technology. The system controller incorporates a “Battery Lockout Voltage” circuit. The circuit protects the battery from dropping below recommended voltage levels and causing permanent damage. High current draw caused by payloads exceeding capacities or a rundown battery will also activate this circuit.

Note: Activation of this circuit inhibits all system functions not allowing the unit to operate. To reset the system, turn the **Key Switch** to “Off” then “On” position or plug in charger.

BATTERY - Charging

Battery Charging Procedure:

1. Set the **Key Switch** to “Off” position.
2. Insert the plug from the supplied charging cord into the charging receptacle located on the bottom right side of the base.
(See Figure 2)



Figure 2 - Charging Receptacle

3. Insert the other end of the supplied charging cord into a GFCI protected electrical outlet.
4. Once the battery charging has begun the Battery Monitor will show the battery charge level. Charging is complete once the battery level shows full.

USER TIP: To increase battery life, set **Key switch** to “OFF” while not in use. There is always a small battery draw when the controller and battery monitor are energized.

WARNING: Do not attempt to operate the Motorized Cart while charging

TRANSAXLE SYSTEM - Description & Use

The transaxle and motor assembly are completely sealed at the factory and require no maintenance. The transaxle incorporates a regenerative braking system activated whenever throttle is released and returned to home position.

In the event the battery runs out of energy during use, the cart can be pushed manually after deactivating the braking system and returning the **Key switch** to “OFF”. The braking system can be deactivated by rotating the red brake lever knob downward (clockwise) (See Figure 3) This is located on the transaxle, on the underside of the cart.

- **IMPORTANT:** While brake is disengaged the manual pushing speed is limited. You must reengage the brake for motorized functions.

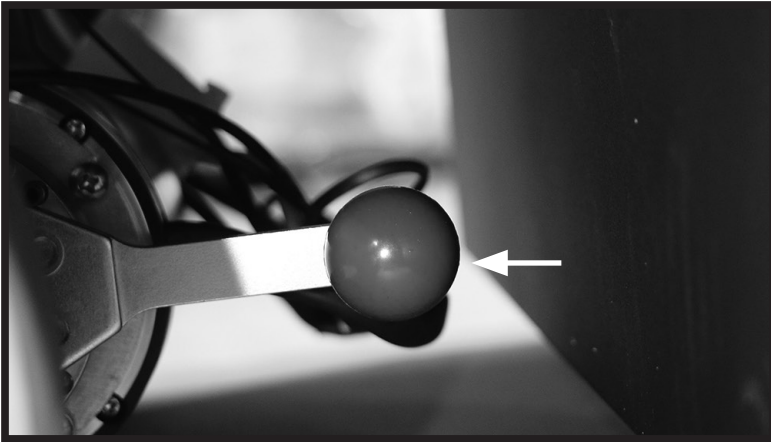


Figure 3 - Brake Lever Knob

The transaxle system incorporates a braking feature for controlling speed on declined surfaces via the throttle control. If additional speed reduction is required, gradually release the throttle until desired speed is achieved.

IMPORTANT: Rotate red brake lever knob upward (counterclockwise) to activate the braking system and engage the transaxle to operate motorized cart normally.

THROTTLE ASSEMBLY - How it Works

The Throttle Assembly (See **Figure 4**) incorporates a Wig-Wag accelerator lever for forward and reverse operation. The control levers are spring loaded. When released, they will return to the home position. With the accelerator lever in the home position pull up on the right accelerator lever to move the unit forward or pull up on the left accelerator lever to move the unit in reverse. The unit speed is variable. Speed is increased by pulling the lever to a higher position and decreased by releasing the lever to a lower position. **To decelerate and stop, release the accelerator lever to the home position.**



Figure 4

The Throttle Assembly shown incorporates the “On” / “Off” Key Switch for the operator along with the Battery Monitor Screen.

SECTION 3 OPERATING INSTRUCTIONS

Step-by-Step — Getting Started & How to Use

1. After you have unpacked and fully charged your cart, check that the brake has been reengaged, the red brake lever knob should be in the upright position.
2. Turn the **Key Switch** (See Figure 5) to the “ON” position. The battery monitoring screen (See Figure 6) will illuminate and cycle through a diagnostic ending with the battery status screen. When the battery status is shown on the display, the system check is complete, and the unit is ready for operation.



Figure 5 - Key Switch

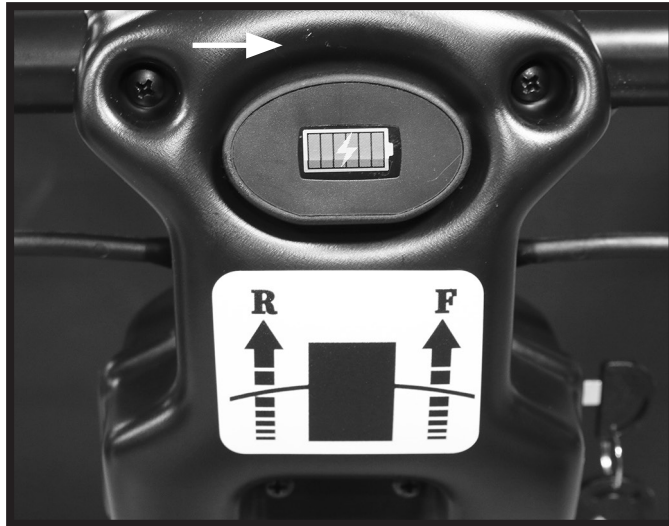


Figure 6 - Battery Monitoring Screen

3. To move forward, place one hand on the right-hand side of the user interface. Place fingers on the lever on the right-hand side and **slowly** pull upward. As the lever is moved upward, the speed of the cart will increase. When the lever is moved downward, or slowly released, the speed of the cart will decrease. The spring-loaded control levers will return to the home position when released, engaging the brake system stopping the unit.

Note: The maximum cart speed has been programmed to a walking pace.

4. To move in reverse, place one hand on the left-hand side of the user interface. Place fingers on the lever on the left-hand side and slowly pull upward. As the lever is moved upward, the speed of the cart will increase. When the lever is moved downward, or slowly released, the speed of the cart will decrease. The spring-loaded control levers will return to the home position when released, engaging the brake system stopping the unit.

Note: The drive control system incorporates a soft start and soft stop technology for smooth operation.

5. When the cart is not being used for an extended period, turn the Key Switch to the “OFF” position. The battery status screen will turn off after the key switch is turned off.

Note: Remember to plug the cart back in after use so you always start with a fully charged unit.